



## Optileb HY Range

Food grade hydraulic oils

### Description

Optileb HY™ are food grade hydraulic oils with NSF-H1 approval, developed to meet the special requirements of the food and beverage industries. They are based on synthetic oils and contain carefully selected additives to prevent wear, oxidation, and corrosion. All viscosity grades are certified to Halal and Kosher specifications.

Optileb HY hydraulic oils comply with, and even exceed, DIN 51524 part 2 for HLP hydraulic oils.

### Application

Optileb HY oils are specifically designed for hydraulic applications in the food and beverage industries where there may be exposure of the lubricated part to the edible product or its packaging. They are suitable for use hydraulic systems on production, filling, and packaging machines.

Optileb HY hydraulic oils are also suitable for use in hydraulic systems in applications where high viscosity index products are required.

### Advantages

- OPTITEC® - OPTIMOL technology
- Tasteless and odorless
- No foam formation
- Excellent viscosity/temperature behavior
- Good water separation ability
- Miscible with mineral oil

## Typical Characteristics

| Name                                    | Method      | Unit    | Optileb HY 32 | Optileb HY 46 | Optileb HY 68 |
|-----------------------------------------|-------------|---------|---------------|---------------|---------------|
| Appearance                              | -           | -       | Clear Fluid   | Clear Fluid   | Clear Fluid   |
| Base Oil Type                           | -           | -       | PAO           | PAO           | PAO           |
| Density @ 15°C                          | ASTM D 4052 | g/ml    | 0.83          | 0.83          | 0.84          |
| Viscosity @ 40°C                        | ASTM D 445  | cSt     | 30.5          | 43.6          | 65.6          |
| Viscosity @ 100°C                       | ASTM D 445  | cSt     | 5.81          | 7.43          | 10.28         |
| Viscosity Index                         | ASTM D 2270 | -       | 136           | 136           | 143           |
| Pour Point                              | ASTM D 97   | °C / °F | -50 / -58     | -48 / -54     | -45 / -49     |
| Flash Point                             | ASTM D 92   | °C / °F | 219 / 426     | 242 / 468     | 242 / 468     |
| Rust Test (24 hrs, synthetic sea water) | ASTM D 665B | -       | Pass          | Pass          | Pass          |
| FZG Test Failure Load Stage (A/8.3/90)  | DIN 51354   | -       | >12           | >12           | >12           |
| Vickers Pump Test                       | DIN 51389   | -       | Pass          | Pass          | Pass          |

Subject to usual manufacturing tolerances.

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